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PATENT
Attorney Docket No.: 020798,002000US
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Assistant Commissioner for Patents
Washington, D.C. 20231



TOWNSEND and TOWNSEND and CREW LLP

By: El Boone

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

VANDENAMEELE-LEPLA, P.

Application No.: 09/966,419

Filed: September 27, 2001

For: METHOD AND APPARATUS FOR
CHANNEL ESTIMATION

Examiner:

Art Unit:

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

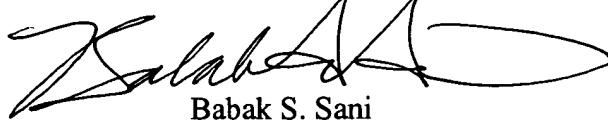
The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no

representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Babak S. Sani', with a large, stylized loop at the end.

Babak S. Sani
Reg. No. 37,495

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 415-576-0200
Fax: 415-576-0300
BSS:deb

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PTO/SB/08B (08-00)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet **3** of **4**

Complete if Known

Application Number	09/966,419
Filing Date	September 27, 2001
First Named Inventor	Vandenameele-Lepla, Patrick
Group Art Unit	
Examiner Name	
Attorney Docket Number	020798-002000US

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U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	AA	5,912,876		H'mimy	06/15/99	
	AB	6,002,716		Meyer et al.	12/14/99	
	AC	6,061,327		Demoulin et al.	05/09/00	
	AD	6,141,393		Thomas et al.	10/31/00	

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
AE	EP 1 030 489 A1	23.08.2000	EPO	A1		NA

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	AF	VANDENAMEELE, "Space Division Multiple Access for Wireless Local Area Networks," <u>IMEC</u> , October 2000, Catholic University, Leuven, Belgium	
	AG	LI, ET AL., "Robust Channel Estimation for OFDM Systems with Rapid Dispersive Fading Channels," <u>IEEE Transactions on Communications</u> , July 1998, Vol. 46, No. 7, pp. 902-915	
	AH	JEON, ET AL., "An Equalization Technique for Orthogonal Frequency-Division Multiplexing Systems in Time-Variant Multipath Channels," <u>IEEE Transactions on Communications</u> , January 1999, Vol. 47, No. 1, pp. 27-32	
	AI	LUISE, ET AL., "Blind Equalization/Detection for OFDM Signals over Frequency-Selective Channels," <u>IEEE Journal on Selected Areas in Communications</u> , October 1998, Vol. 16, No. 8, pp. 1568-1578	
	AJ	HSIEH, ET AL., "Channel Estimation for OFDM Systems Based on Comb-Type Pilot Arrangement in Frequency Selective Fading Channels," <u>IEEE Transactions on Consumer Electronics</u> , February 1998, Vol. 44, No. 1, pp. 217-225	
	AK	LI, ET AL., "Channel Estimation for OFDM Systems with Transmitter Diversity in Mobile Wireless Channels," <u>IEEE Journal on Selected Areas in Communications</u> , March 1999, Vol. 17, No. 3, pp. 461-471	
	AK	EDFORS, ET AL., "OFDM Channel Estimation by Singular Value Decomposition," <u>IEEE Transactions on Communications</u> , July 1998, Vol. 46, No. 7, pp. 931-939	

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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	AL	SUN, ET AL., "A Channel-Whitening Blind Sequence Estimation Algorithm," ISIT, August 16-21, 1998, in <i>Proc. 1998 IEEE International Symposium on Information Theory</i> , MIT, Cambridge, MA, IEEE, 1998, Vol. ___, No. ___, p. 180	
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	AT	PAPATHANANASSIOU, ET AL., "Novel Time-Domain Channel Estimation and Equalization for OFDM-Based Wireless Indoor Communications Systems," <i>Information Society Technologies, Mobile Summit 2000</i> , October 2000	

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